WHAT IS CLAIMED IS:

- 1. A multilayer film having at least two film layers made from different materials.
- 2. The multilayer film according to claim 1, wherein the film layers have different coefficients of thermal expansion.
- 3. The multilayer film according to claim 1, wherein at least one of the film layers is produced from a polyolefin.
- 4. The multilayer film according to claim 1, wherein at least one of the film layers is produced from polypropylene.
- 5. The multilayer film according to claim 1, wherein at least one of the film layers is produced from polyamide.
- 6. The multilayer film according to claim 1, wherein at least one of the film layers is produced from polyethylene terephthalate (PET).

- 7. The multilayer film according to claim 6, wherein the PET layer is oriented.
- 8. The multilayer film according to claim 1, wherein at least one of the film layers is produced from polyacrylonitrile.
- 9. The multilayer film according to claim 3, wherein at least one of the film layers is produced from a mixture or blend of members selected from the group consisting of polyolefin, polypropylene, polyamide, polyethylene terephthalate, and oriented polyethylene terephthalate.
- 10. The multilayer film according to claim 1, wherein at least one surface of the multilayer film is treated so that it has low bonding properties.
- 11. The multilayer film according to claim 10, wherein at least one side of the multilayer film is treated with silicone.
- 12. The multilayer film according to claim 10, wherein an anti-bonding agent is applied to the multilayer film by coating.

- 13. The multilayer film according to claim 10, wherein an anti-bonding agent is incorporated in an outermost film layer.
- 14. The multilayer film according to claim 1, wherein at least one film layer comprises a barrier layer against mineral oils.
- 15. The multilayer film according to claim 1, wherein a barrier layer against oils, oxygen or UV radiation is provided between two adjacent layers.
- 16. The multilayer film according to claim 15, wherein the barrier layer comprises a layer of lacquer.
- 17. The multilayer film according to claim 1, wherein the individual film layers are combined on the basis of their thermal stability.
- 18. The multilayer film according to claim 1, wherein the individual film layers are combined according to their mechanical strength.
- 19. The multilayer film according to claim 1, wherein the individual film layers are combined according to their

susceptibility to initial tearing or their tear propagation properties.

- 20. The multilayer film according to claim 1, wherein a tie layer or an adhesive is provided between two adjacent layers.
- 21. The multilayer film according to claim 10, wherein said at least two film layers comprise a first film layer and a second film layer, said first film being located further away from the surface with low bonding properties and having a larger coefficient of elongation than said second film layer.
- 22. A release film for bituminous membranes comprising the multilayer film of claim 1.
- 23. A release film for self-adhesive sealing membranes comprising the multilayer film of claim 1.
- 24. A release film for welded areas having overlap areas that are treated to be self-adhesive comprising the multilayer film of claim 1.